

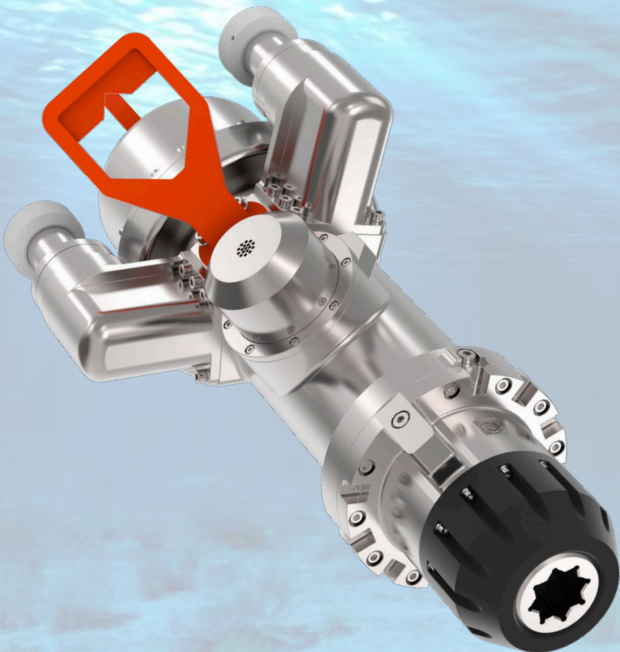


WITTENSTEIN

motion control

Reliability
Competence
Sustainability

All Electric Actuation Systems for Extreme Environments

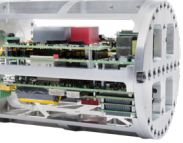


Component Range

SSEAC[®]

Subsea Proven Enabling All-Electric

Power and Control Electronics



- Product range from 12 V up to 900 V
- Up to 1,000 A output current
- Ambient temperatures from -46° C up to 75° C
- SiS-level-2 interface
- Designed and manufactured by WITTENSTEIN
- TRL7 since 2001

Planetary Gearboxes



- Product range up to 40,000 Nm
- Gear ratios from $i=3$ up to $i=2,700$
- Ambient temperatures from -46° C up to 75° C
- Designed and manufactured by WITTENSTEIN
- TRL7 since 2001

Brushless Motors



- Product range from 50 W up to 200 kW
- Ambient temperatures from -46° C up to 210° C
- Pressure resistant up to 1,800 bar
- Proven oil / hydraulic fluid compatibility
- Pressure compensated operation in oil
- Permanent excited by high grade magnets
- Designed and manufactured by WITTENSTEIN
- TRL7 since 2001

- Subsea electric actuator
- Single channel or dual channel
- Double barrier sealing concept (optional)
- API class 4 interface
- Up to 2,700 Nm torque
- Qualified to 3,000 m water depth
- 24 VDC to 400 V AC/DC variants
- MTBF > 100,000 h
- Extensive condition monitoring
- TRL4 up to TRL7





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WITTENSTEIN – one with the future
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